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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/541,461   | 03/31/2000  | ABRAHAM NATHAN       | 1018.071US1         | 3662             |
| 23460  | 7590        | 11/17/2004           | EXAMINER            |                  |
| LEYDIG VOIT & MAYER, LTD<br>TWO PRUDENTIAL PLAZA, SUITE 4900<br>180 NORTH STETSON AVENUE<br>CHICAGO, IL 60601-6780 |             |                      | DONAGHUE, LARRY D   |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2154                |                  |

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/541,461

Applicant(s)

NATHAN ET AL.

Examiner

Larry D Donaghue

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 July 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 19-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892) <sup>3</sup>
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10/05/2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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1. Claims 19-26 are presented for examination.
2. Claims 1-18 have been cancelled at the request of applicant.
3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 19-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Antur et al.(6,212,558).
5. Antur et al. reference was cited by applicant on the paper of 10/05/2004.

Antur et al taught the invention (claim 19) as claimed including method for securing data communication between a client ( col. 4, lines 1-7) in an internal network (col. 4, lines, 10-14) and a server (col. 3, lines 46-57) in an external network (col. 4, lines 19-24) by way of an application-level gateway proxy server (col. 3, lines 38-43) in the internal network, the method comprising performing, at the proxy server, a network address translation upon a stream of packets originating from the client, wherein the network address translation is performed at a packet level; filtering, at the proxy server, the stream of packets, wherein the filtering is transparent to the client and wherein the filtering is performed at a stream level; and transmitting, at the proxy server, the packets to the server after the packets are filtered (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 20, Antur et al. taught filtering at the proxy server, a second stream of packets originating from the server in the external network, wherein the filtering is transparent to the client, and wherein the filtering is performed at a stream level; performing, at the proxy server, a reverse network address translation upon the packets in the second stream wherein the reverse network address translation is performed at a packet level; and transmitting, at the proxy server, the packets in the second stream after the packets are filtered (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 21, Antur et al. taught computer-readable medium having instructions stored thereon for execution by a processor to perform a method of for securing data communication between a client ( col. 4, lines 1-7) in an internal network (col. 4, lines, 10-14) and a server (col. 3, lines 46-57) in an external network (col. 4, lines 19-24) by way of an application-level gateway proxy server (col. 3, lines 38-43) in the internal network the method comprising: performing, at the proxy server, a network address translation upon a stream of packets originating, from the clients wherein the network address translation is performed at a packet level filtering at the proxy server the stream of packets wherein the filtering is transparent to the client wherein the filtering performed at a stream level: transmitting, at the proxy server, the packets to the server after the packets are filtered (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

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As to claim 22, Antur et al., system for securing data communication across an external computer network, comprising: a client ( col. 4, lines 1-7) located in an internal computer network (col. 4, lines, 10-14); a server (col. 3, lines 46-57) located in the external computer network (col. 4, lines 19-24) and in communication with the client; and an application-level gateway proxy device located in the internal computer network and comprising components for (1) performing, at a packet level, a network address translation upon a stream of packets originating from the client and (2) filtering, at a stream level, the stream of packets and transmitting the packets to the server, wherein the filtering is transparent to the client (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 23, Antur et al. taught the components of the proxy device comprise: a first component for filtering said stream of packets, and also for filtering, a stream level and transparently to the client, a second stream of packets originating from the server; and a second component for performing said network address translation, and also for performing at a packet level, a reverse network address translation with respect to the packets in the second stream and transmitting the packets in the second stream to the client (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 24, Antur et al. taught An application-level gateway proxy device located in an internal network, comprising: a component for performing, at a packet level, a network address translation with respect to a stream of packets originating from a client in the internal network, when wherein the client is communicating the stream of packets to a server located in an external network; a component for filtering at a stream level, the stream of packets, wherein the filtering is transparent to the client; and a component for transmitting the packets to the server after the packets are filtered (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 25, Antur et al. taught the proxy device further comprising: a component for filtering, at a stream level and transparently to the client, a second stream of packets originating from the server; a component for performing, at a packet level, a reverse network address translation upon the packets in the second stream; and component for transmitting the packets in the second stream to the client (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

As to claim 26, Antur et al. taught the method further comprises: filtering, at the proxy server, a second stream of packets originating from the server in the external network, wherein the filtering is transparent to the client, and wherein the filtering is performed at a stream level; performing, at the proxy server, a reverse network address translation upon the packets in the second stream, wherein the reverse network address translation is performed at a packet level; and transmitting, at the proxy server, the packets in the second stream after the packets are filtered (col. 4, lines 1-7, col. 4, lines 27-67, col. 3, lines 58-67, col. 5, lines 10-20, col. 5, lines 27-46).

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6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Casey 6,493,349

Mayes et al. 6,510,154

Mayes et al 5,793,763

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

8. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Larry D Donaghue whose telephone number is 571-272-3962. The examiner can normally be reached on M-F 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LARRY D. DONAGHUE  
PRIMARY EXAMINER

